Amendments

In the Claims

Please enter the claim amendments, without prejudice, as set forth below. A complete listing of the claims is provided, with parenthetical indication of the status of each claim.

1 (currently amended). A method for upgrading a dial indicator to provide both local visible and remote indication of a physical parameter, said method comprising:

providing the dial indicator with a magnetic rotary pointer, said magnetic rotary pointer being rotatable in response to a change in the physical parameter;

magnetically coupling a potentiometer to said magnetic rotary pointer, said potentiometer being magnetically adjustable, wherein a rotation of said magnetic rotary pointer causes a change in the electrical output of said potentiometer; and

fastening said potentiometer to a front side of the dial indicator.

2 (original). The method of claim 1, wherein said providing is accomplished by securing a magnet to a rotary pointer of the dial indicator.

3 (original). The method of claim 1, wherein said providing is accomplished by replacing a rotary pointer of the dial indicator with a replacement rotary pointer, said replacement pointer having a magnet disposed integrally therewith.

4 (original). The method of claim 1 wherein the dial indicator comprises a liquid level indicator for a storage tank.

5 (original). The method of claim 1 wherein the dial indicator is mounted to a liquid storage tank.

6 (original). The method of claim 5 wherein said storage tank comprises a natural gas storage tank.

7 (original). The method of claim 5 wherein said storage tank comprises a liquid propane storage tank.

8 (original). The method of claim 5 wherein said storage tank comprises a liquid ammonia storage tank.

9 (original). The method of claim 1 wherein said magnet comprises a plurality of magnets disposed in spaced relation along said rotary pointer.

10 (original). The method of claim 9, wherein said plurality of magnets comprises a pair of magnets disposed on said rotary pointer, on opposite sides of an axis of rotation of said pointer, said pair of magnets being disposed in opposite orientation relative to one another so that opposite poles face away from the dial indicator.

11 (original). The method of claim 1 wherein said magnet comprises a bar magnet

12 (original). The method of claim 11 wherein said magnet is coupled to a front side of said rotary pointer.

13 (original). The method of claim 1 wherein said magnet comprises a horseshoe magnet.

14 (original). The method of claim 11 wherein said coupling comprises looping said magnet around a backside of said rotary pointer.

15 (original). The method of claim 1 wherein said potentiometer comprises a magnetically adjustable voltage divider.

16 (original). The method of claim 1 wherein said potentiometer comprises a single-turn potentiometer.

17 (original). The method of claim 1 wherein said potentiometer comprises an other dial indicator, said other dial indicator including a voltage divider, said other dial indicator having a diameter less than about half that of the dial indicator.

18 (original). The method of claim 1 wherein said potentiometer comprises at least two electrical connectors.

19 (original). The method of claim 1 further comprising coupling said potentiometer to a wireless communication device.

20 (original). The method of claim 1 wherein said potentiometer is fastened to a transparent cover.

21 (original). The method of claim 1 wherein said fastening said potentiometer comprises interposing said potentiometer between a bracket and a transparent face plate, and fastening said bracket to the dial indicator.

22 (original). The method of claim 21 wherein said bracket comprises an optically transparent material.

23 (original). The method of claim 22 wherein said optically transparent material comprises plastic.

24 (currently amended). The method of claim 1, wherein said [physically coupling] providing the dial indicator with a magnetic rotary pointer further comprises:

removing a cover from the front face of the dial indicator; and

refastening said cover to the front face of the dial indicator.

25 (original). A kit for upgrading a dial indicator to provide both local visible and remote indication of a physical parameter, said kit comprising:

a magnet, sized and shaped for coupling to the dial indicator in a manner wherein said magnet rotates in response to a change in the measured physical parameter;

a magnetically adjustable potentiometer; and

a mounting assembly including a bracket sized and shaped for fastening said potentiometer to the dial indicator.

26 (original). The kit of claim 25, wherein said magnet is sized and shaped for being secured to a rotary pointer of the dial indicator.

27 (original). The kit of claim 25, wherein said magnet comprises a replacement rotary pointer.

28 (original). The kit of claim 25 wherein said magnet comprises a horseshoe magnet.

29 (original). The kit of claim 25 wherein said magnet comprises a bar magnet.

30 (original). The kit of claim 25 wherein said potentiometer comprises a single-turn voltage divider.

31 (original). The kit of claim 25 wherein said potentiometer comprises an other dial indicator,

said other dial indicator including a magnetically actuatable voltage divider, said other dial indicator having a diameter less than about half that of said dial indicator.

32 (original). The kit of claim 25 wherein said bracket comprises an optically transparent material.

33 (original). The kit of claim 32 further comprising a remote display.

34 (currently amended). A dial indicator for providing both local visible and remote display of liquid level in a liquid storage tank, said dial indicator comprising:

a magnetic rotary pointer, said magnetic rotary pointer being rotatable in response to a change in the liquid level in the tank;

a magnetically adjustable potentiometer including a voltage divider and at least two electrical connectors, said potentiometer being magnetically coupled to said magnetic rotary pointer wherein a rotation of said magnetic rotary pointer causes a change in the electrical output of said potentiometer;

said potentiometer being mounted to a front side of said dial indicator by a transparent bracket.

35 (currently amended). The dial indicator of claim 34, wherein said magnetic rotary pointer comprises a [a]rotary pointer of the dial indicator having a magnet secured thereto.

36 (original). The dial indicator of claim 34, wherein said magnetic rotary pointer comprises a replacement rotary pointer, said replacement pointer having a magnet disposed integrally therewith.

37 (original). The dial indicator of claim 34 wherein said potentiometer comprises an other dial indicator, said other dial indicator including a voltage divider.

38 (original). The dial indicator of claim 34, wherein said potentiometer comprises an other dial indicator, and said other dial indicator has a diameter less than about half that of said dial indicator.

39 (new). A method for upgrading a dial indicator to provide both local visible and remote indication of a physical parameter, said method comprising:

providing a dial indicator having a substantially transparent faceplate and a rotary pointer, the rotary pointer being rotatable in response to a change in the physical parameter thereby providing the local visible indication of the physical parameter;

removing the faceplate from the dial indicator;

physically coupling at least one magnet to the rotary pointer;

re-fastening the faceplate to the dial indicator;

magnetically coupling a potentiometer to the at least one magnet, the potentiometer being magnetically adjustable, wherein a rotation of rotary pointer causes a change in the electrical output of the potentiometer, thereby providing the remote indication of the physical parameter; and

fastening the potentiometer to a front side of the dial indicator.

Remarks

Entry of this Amendment and allowance of all claims pending herein are respectfully requested.

Claims 1-38 were originally presented in the subject application. By the foregoing amendment, claims 1, 24, and 34 have been amended in order to provide clearer antecedence. Claim 35 has been amended to correct an inadvertent typographical error. Claim 39 has been added. No claims have been withdrawn. Claims 1-39 remain pending in this case.

The Applicant respectfully submits that new independent claim 39 is supported by original claims 1 through 38, as well as by the original specification and Figs., such that no new matter has